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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

U45D SERIES

Jameco Part Number 221743 (U45D203-R1BU)

- .3 POLE AC INLET IEC320-C14
- .UNIVERSAL AC INPUT/FULL RANGE
- .CLASS I POWER(WITH EARTH PIN)
- .FULL OUTPUT 3~48V SAFETY APPROVED
- .PROTECTIONS:SHORT CIRCUIT/OVER LOAD/OVER VOLTAGE
- .APPROVALS:UL/CUL/TUV/CE
- .LED INDICATE FOR POWER ON
- .FULLY ENCLOSED PLASTIC CASE
- .100% FULL LOAD BURN-IN TEST
- .1 YEAR WARRANTY

MODEL / SPECIFICATION	U45D-201		U45D-202		U45D-203	
SAFETY MODEL NO.	SPU45E-201		SPU45E-202		SPU45E-203	
DC OUTPUT VOLTAGE	5V	12V	5V	+15V	5V	+24V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±5%	±5%
OUTPUT RATED CURRENT	3.5A	2A	3.5A	1.5A	3.5A	1A
OUTPUT CURRENT RANGE	0.5-3.5A	0.3-2A	0.5-3.5A	0.3-1.5A	0.5-3.5A	0.2-1A
RIPPLE & NOISE	50mVp-p	100mVp-p	50mVp-p	120mVp-p	50mVp-p	150mVp-p
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±3%	±5%	±3%	±5%	±3%	±5%
DC OUTPUT POWER	42W		42W		42W	
EFFICIENCY	70%		72%		74%	
DC VOLTAGE ADJ.	FIXED					
INPUT VOLTAGE RANGE	90~264VAC, 47~63Hz					
AC CURRENT	1.35A@100VAC					
INRUSH CURRENT	COLD START, < 40A PEAK/230VAC					
LEAKAGE CURRENT	<0.75mA/240VAC					
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY					
OVER VOLTAGE PROTECTION	CH1:110%~140% OF RATED OUTPUT VOLTAGE					
TEMP. COEFFICIENT	±0.04% / ◦C (0~50◦C)					
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms AT FULL LOAD AND 230VAC					
VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC 1minute					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG > 100M Ohms min. AT 500VDC					
WORKING TEMP., HUMIDITY	0◦C~+30◦C @ 100% LOAD, 40◦C @ 60% LOAD					
STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH					
DIMENSION	146*76*44mm (L*W*H)					
WEIGHT; Q'TY/CARTON	0.5Kgs; 40PCS/CARTON					
SAFETY STANDARDS	UL1950, CSA22.2 ; TUV EN60950 APPROVAL					
EMC STANDARDS	EN55022, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11 VERIFICATION					
LENGTH OF OUTPUT CABLE	120cm (TYPICAL) WITH AWM2464					
PLUG OF DC OUTPUT	DIN 5 PIN; PIN3:+5VDC, PIN5:+Vout, PIN1,2,4:COMMON					

NOTE :

1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.

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